

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1797798	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 14:58
S2	62351	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:06
S3	43474	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:07
S4	4877	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:08
S5	3661	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and (compare compared comparison comparing comparator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 12:11
S6	2140	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and (compare compared comparison comparing comparator) and radio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:14

## EAST Search History

S7	624	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:29
S8	478554	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio ((compare compared comparison comparing comparator) with control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:16
S9	297	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio and ((compare compared comparison comparing comparator) with control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:17
S10	13	folea.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 10:59

## EAST Search History

S11	50	("4845710" "5771015" "5278835" "5339463" "5467317" "5502712" "5579483" "5590404" RE36404 "6078822" "6078415" "6091715" "6138001" "6163695" "4044205" "4087066" "4247952" "4259897" "4300132" "4359607" "4377843" "4377804" "4394776" "4399559" "4427995" "4477899" "4509170" "4516272" "4521882" "4531229" "4584684" "4602329" "4768205" "4773081" "4777655" "4792992" "4796278" "4802240" "4843455" "4855743" "4859970" "4870696" "4901147" "4916689" "4939785" "4977611" "5014349" "5022002" "5206835" "5208856").pn.	USPAT	OR	ON	2006/05/26 11:00
S12	297	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio and ((compare compared comparison comparing comparator) with control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:02
S13	0	S12 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:01
S14	624	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:01
S15	0	S14 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:01

## EAST Search History

S16	2140	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and (compare compared comparison comparing comparator) and radio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:01
S17	0	S16 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:01
S18	3661	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and (compare compared comparison comparing comparator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:01
S19	2	S18 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:02
S20	4877	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:02
S21	2	S20 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:02
S22	43474	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:02
S23	21	S22 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 11:02

## EAST Search History

S24	8	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (control\$4) with (capabil\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 12:13
S25	2	"20040225934"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:00
S26	2	"20040243909"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/26 15:15
S27	2	"6799196"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/29 10:48
S28	318	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio and ((compare compared comparison comparing comparator) with control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:03
S29	16	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and (control with channel) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio and (((compare compared comparison comparing comparator) with control) same (capacity capability))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:29

## EAST Search History

S30	150	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and ((compare compared comparing comparison) same (control with channel)) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 18:28
S31	6	(receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and ((compare compared comparing comparison) same (control with channel) same (capability capacity ability)) and (data with channel) and (detect detector detection detecting detected) and (ARQ ACK NACK) and ((compare compared comparison comparing comparator) with (output outputs outputting result)) and radio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:44
S32	2	(Hiraki adj Toshiaki).in. and (Suzuki adj Hidetoshi).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:46
S33	1182	(Hiraki adj Toshiaki).in. (Suzuki adj Hidetoshi).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:46
S34	151	((Hiraki adj Toshiaki).in. (Suzuki adj Hidetoshi).in.) and Matsushita.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 17:47
S35	12	S34 and (compare compared comparing comparison).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 18:23
S36	12	S34 and (compare compared comparing comparator comparison).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 18:28

## EAST Search History

S37	48547	(receiver received reception receiving receive) adj channel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 18:28
S38	48547	((receiver received reception receiving receive) adj channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 18:28
S39	10157	((receiver received reception receiving receive) adj channel).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 18:37
S40	7517	((receiver received reception receiving receive) adj channel).clm.	USPAT	OR	ON	2006/09/14 22:43
S41	4834	KATO.in. and ACK NACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 22:44
S42	3747	S41 and (receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 23:11
S43	364	S41 and (receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and ((receiver received reception receiving receive) same (channel with (capability capacity capable intent intended)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 23:17
S44	308	S41 and (receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and ((receiver received reception receiving receive) same (channel with (capability capacity capable intent intended))) and ACK and NACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 08:09
S45	4834	KATO.in. and ACK NACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 08:10

## EAST Search History

S46	208	S45 and (receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and ((receiver received reception receiving receive) with (channel with (capability capacity capable intent intended))) and ACK and NACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 08:10
S47	2032	S45 and (receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and ((receiver received reception receiving receive) with (channel wnear3 (capability capacity capable intent intended))) and ACK and NACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 08:10
S48	31	S45 and (receiver received reception receiving receive) and (transmit transmission transmitting transmitted transmitter) and ((receiver received reception receiving receive) with (channel near2 (capability capacity capable intent intended))) and ACK and NACK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 08:10

File 348:EUROPEAN PATENTS 1978-2006/ 200635

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File 349:PCT FULLTEXT 1979-2006/UB=20060831UT=20060824

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File 350:Derwent WPIX 1963-2006/UD=200656

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Set	Items	Description
S1	7802	ARRAY? ?(2N)(DISC? ? OR DISCOID?? ? OR DISK? ? OR DISCETTE? OR DISKETTE?)
S2	4317	CDROM? ?
S3	244005	FLASHMEMOR? OR FLASHSTOR? OR PROM OR PROMS OR ROM OR ROMS - OR EPROM? ? OR EEPROM? OR EEPROM? ? OR RPROM? ? OR E2PROM? ? OR EAROM? ? OR EEPROM?
S4	3894	NVM? ? OR NVS OR NVRAM?
S5	69745	(NONVOLATILE OR NON()VOLATILE OR NV)(1W)(MEMOR? OR STOR???) OR LOCATION? ? OR AREA? ? OR RAM? ?)
S6	68374	(FLASH OR MAGNETO OR MAGNETIC)(1W)(MEMOR? OR STOR???) OR RA- M? ?)
S7	2	(FERROELECTRONIC OR FERRO()ELECTRONIC)(1W)DEVICE?
S8	2449585	REPAIR? OR REPARATION? OR OVERHAUL? OR OVER()HAUL???) OR RE- HABILITAT? OR FIX???) OR RESTOR???) OR RESTORATION? ? OR REFURB- ISH?????
S9	1200	RE()(STOR???) OR STORATION? OR FURBISH????)
S10	15214	S2:S7(5N)(REPLAC???) OR REPLACEMENT? OR SUBSTITUT???? OR NEW OR CHANG???) OR EXCHANG? OR SWAP???? OR SWITCH???) OR SUPPLANT- ?)
S11	1	S2:S7(5N)RE()(PLAC???) OR PLACEMENT?)
S12	386	S2:S7(5N)(DISPLAC???) OR DISPLACEMENT? OR RETROFIT?)
S13	1997719	LEAK???) OR INVALID? OR FAIL???? OR PROBLEM? ? OR FAULT? ? - OR DEFECT???? OR DEFICIEN? OR ABNORMA? OR BUGGY
S14	939353	BAD OR DAMAG?? OR ATYPICAL? OR FLAW?? OR IMPAIR? OR IMPERF- ECT? OR ABERRA? OR MALFUNCTION? OR INOPERA? OR DYSFUNCTI?
S15	625083	DISFUNCTI? OR BUG? ? OR DEVIA? OR CORRUPT? OR DEGRAD? OR B- UGGY
S16	17765	S13:S15(3N)(DISC? ? OR DISCOID?? ? OR DISK? ? OR DISCETTE? OR DISKETTE?)
S17	285552	S13:S15(3N)(DEVICE? ? OR COMPONENT? ? OR SECTION? ? OR SEC- TOR? ? OR UNIT? ? OR DIE OR DICE OR BLOC?? ? OR SUBBLOC?? ? OR SUBLOC?? ?)
S18	72175	S13:S15(3N)(REGION? ? OR AREA? ? OR VOLUME? ? OR ZONE? ? OR SUBCOMPONENT? OR SUBUNIT? ?)
S19	37288	S8:S9(3N)(STATUS OR STATE OR CONDITION OR MODE)
S20	29	S19(25N)S10:S12
S21	441	S19(50N)S16:S18
S22	6	S21(100N)S1
S23	12	S21(50N)S2:S7
S24	43	S20 OR S22:S23
S25	14	S24 AND AC=US/PR AND AY=(1963:2000)/PR
S26	15	S24 AND AC=US AND AY=1963:2000
S27	15	S24 AND AC=US AND AY=(1963:2000)/PR
S28	23	S24 AND PY=1963:2000
S29	28	S25:S28
S30	69235	S8:S9(7N)(STATUS OR STATE OR CONDITION OR MODE)
S31	73	S30(50N)S10:S12
S32	831	S30(50N)S16:S18
S33	9	S32(100N)S1
S34	21	S32(50N)S2:S7
S35	53	(S31 OR S33:S34) NOT S24
S36	13	S35 AND AC=US/PR AND AY=(1963:2000)/PR
S37	15	S35 AND AC=US AND AY=1963:2000
S38	15	S35 AND AC=US AND AY=(1963:2000)/PR
S39	28	S35 AND PY=1963:2000

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
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Set	Items	Description
S1	1178	ARRAY? ?(2N)(DISC? ? OR DISCOID?? ? OR DISK? ? OR DISCETTE? OR DISKETTE?)
S2	110	CDROM? ?
S3	48187	FLASHMEMOR? OR FLASHSTOR? OR PROM OR PROMS OR ROM OR ROMS - OR EPROM? ? OR EEPROM? OR FPROM? ? OR RPROM? ? OR E2PROM? ? OR EAROM? ? OR EEPROM?
S4	365	NVM? ? OR NVS OR NVRAM?
S5	17397	(NONVOLATILE OR NON()VOLATILE OR NV)(1w)(MEMOR? OR STOR???) OR LOCATION? ? OR AREA? ? OR RAM? ?)
S6	9478	(FLASH OR MAGNETO OR MAGNETIC)(1w)(MEMOR? OR STOR???) OR RA- M? ?)
S7	0	(FERROELECTRONIC OR FERRO()ELECTRONIC)(1w)DEVICE?
S8	839693	REPAIR? OR REPARATION? OR OVERHAUL? OR OVER()HAUL??? OR RE- HABILITAT? OR FIX??? OR RESTOR??? OR RESTORATION? ? OR REFURB- ISH?????
S9	205	RE()(STOR???) OR STORATION? OR FURNISH????)
S10	3619	S2:S7(5N)(REPLAC???) OR REPLACEMENT? OR SUBSTITUT???? OR NEW OR CHANG???) OR EXCHANG? OR SWAP???? OR SWITCH???) OR SUPPLANT- ?)
S11	0	S2:S7(5N)RE()(PLAC???) OR PLACEMENT?)
S12	24	S2:S7(5N)(DISPLAC???) OR DISPLACEMENT? OR RETROFIT?)
S13	248262	DISC? ? OR DISCOID?? ? OR DISK? ? OR DISCETTE? OR DISKETTE?
S14	4301005	DEVICE? ? OR COMPONENT? ? OR SECTION? ? OR SECTOR? ? OR UN- IT? ? OR DIE OR DICE OR BLOC?? ? OR SUBBLOC?? ? OR SUBLOC?? ?
S15	812260	REGION? ? OR AREA? ? OR VOLUME? ? OR ZONE? ? OR SUBCOMPONE- NT? OR SUBUNIT? ?
S16	51148	S13:S15(3N)(LEAK???) OR INVALID? OR FAIL???? OR PROBLEM? ? - OR FAULT? ? OR DEFECT???? OR DEFICIEN? OR ABNORMA? OR BUGGY)
S17	14845	S13:S15(3N)(BAD OR DAMAG?? OR ATYPICAL? OR FLAW?? OR IMPAI- R? OR IMPERFECT? OR ABERRA? OR MALFUNCTION? OR INOPERA? OR DY- SFUNCTI?)
S18	7667	S13:S15(3N)(DISFUNCTI? OR BUG? ? OR DEVIA? OR CORRUPT? OR - DEGRAD? OR BUGGY)
S19	21325	S8:S9(3N)(STATUS OR STATE OR CONDITION OR MODE)
S20	355	S19 AND S16:S18
S21	4	S20 AND S1
S22	7	S20 AND S2:S7
S23	11	S21:S22
S24	7	S23 AND PY=1963:2000
S25	17	S19 AND S10:S12
S26	38832	S8:S9(7N)(STATUS OR STATE OR CONDITION OR MODE)
S27	9	S26 AND S16:S18 AND S1
S28	14	S26 AND S16:S18 AND S2:S7
S29	27	S26 AND S10:S12
S30	38	(S25 OR S27:S29) NOT S23
S31	36	S30 AND PY=1963:2000

24/9/1  
DIALOG(R)File 347:JAPIO  
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06719882     \*\*Image available\*\*  
METHOD FOR AUTOMATICALLY RESORTING   ARRAY   DISK   AND SYSTEM THEREFOR

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INVENTOR(s):   TERANISHI HIROTO  
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